

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

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Claim 1 (Withdrawn). A weight identification method that identifies weights assigned to a plurality of models, each of which includes a group of parameters, the weights being used to form a control model that represents a control system, the method comprising:
specifying first weight that is assigned to one of the plurality of models; and
specifying a second weight that is assigned to at least one model other than the one of the plurality of models, based on the first weight assigned to the one of the plurality of models.

Claim 2 (Withdrawn). A weight identification method according to claim 1, wherein if the first weight assigned to the one of the plurality of models increases, the second weight assigned to the at least one model that is other than the one of the plurality of models decreases.

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Claim 3 (Previously Presented). A feedback control method comprising:
preparing a plurality of models, each of which includes at least a phase-delay model and a phase advancement model and is represented by combining the phase delay model and the phase advancement model;
identifying a first weight that is assigned to one of the plurality of models;
specifying a second weight that is assigned to at least one model that is other than the one of the plurality of models, based on the first weight.

Claim ^{1/2}4 (Original). A feedback control method according to claim ¹3, wherein the first weight and the second weight each have a value that is greater than or equal to zero and less than or equal to one.

Claim ⁸5 (Currently Amended). A feedback control method according to claim ⁷3 ¹³, wherein the first and second weights assigned individually to the plurality of models are estimated based on a difference between the target value and the amount of control, and a difference of the instruction value from a value of equilibrium.

Claim ⁹6 (Original). A feedback control method according to claim ⁸5, wherein the first weight and second weight each have a value that is greater than or equal to zero and less than or equal to one.

Claim ³7 (Original). A feedback control method according to claim ¹3, wherein in a control of a slip control apparatus of a clutch, the slip control apparatus is feedback-controlled based on the first and second weights so that a slip rotation speed of the slip control apparatus becomes substantially equal to a target rotation speed.

Claim ¹⁰8 (Currently Amended). A feedback control method according to claim ⁷7 ¹³, wherein in a control of a slip control apparatus of a clutch, the slip control apparatus is feedback-controlled based on the first and second weights so that a slip rotation speed of the slip control apparatus becomes substantially equal to a target rotation speed, wherein the first and second weights are estimated based on a difference between the slip rotation speed and the target rotation speed, and a deviation of the instruction value for the slip control apparatus from a value of equilibrium of the instruction value.

Claim ~~9~~⁴ (Original). A feedback control method according to claim ~~3~~¹, wherein in a control of a vehicular continuously variable transmission, the vehicular continuously variable transmission is feedback-controlled based on the first and second weights so that a rotation speed of the vehicular continuously variable transmission becomes substantially equal to a target rotation speed.

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Claim ~~10~~¹¹ (Currently Amended). A feedback control method according to claim ~~9~~¹³~~7~~, wherein in a control of a vehicular continuously variable transmission, the vehicular continuously variable transmission is feedback-controlled based on the first and second weights so that a rotation speed of the vehicular continuously variable transmission becomes substantially equal to a target rotation speed, wherein the first and second weights are estimated based on a difference between the rotation speed of vehicular continuously variable transmission and the target rotation speed, and a deviation of the instruction value for the vehicular continuously variable transmission from a value of equilibrium of the instruction value.

Claim ~~11~~⁵ (Previously Presented). A feedback control method according to claim ~~3~~¹, wherein the first weight is identified by a sequential method of least squares.

Claim ~~12~~⁶ (Previously Presented). A feedback control method according to claim ~~3~~¹, wherein if the first weight assigned to the one of the plurality of models increases, the second weight assigned to the at least one model that is other than the one of the plurality of models decreases.

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Claim ~~13~~⁷ (New). A feedback control method according to claim ~~3~~¹, further comprising:

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Bt forming a control model that represents a control system, based on the first and second weights; and

feedback-controlling, based on a target value for controlling the control system, an amount of control of the control system controlled based on the target value, the first and second weights, such an instruction value for the control system that the amount of control becomes substantially equal to the target value.
